**IN THE CLAIMS**

Please amend the Claims as follows:

25. (Currently Amended) A device comprising:

a substrate;

at least one protrusion extending from the substrate;

at least one nano-sized pore ~~disposed on the protrusion~~; ~~wherein the pore is fabricated at a specific location on~~ located near an end of the protrusion distal from the substrate; wherein the pore has depth longer than its diameter; and

at least one carbon nanotube ~~coupled to~~ partially embedded in the pore.

26. (Currently Amended) The device of claim 25, wherein the end of the protrusion comprises a pointy tip distal from the substrate.

27. (Currently Amended) The device of claim 25, wherein the end of the protrusion comprises a flat tip distal from the substrate.

28. (Original) The device of claim 25, wherein the substrate comprises silicon.

29. (Original) The device of claim 25, wherein the substrate and the protrusion comprise the same material.

30. (Original) The device of claim 25, further comprising a catalyst within the pore.

31. (Original) The device of claim 30, wherein the catalyst comprises iron, cobalt, nickel, and alloys of iron, cobalt, or nickel.

32. (Original) The device of claim 25, wherein the substrate includes a planar surface and the carbon nanotube is oriented substantially perpendicular to the planar surface.

33. (Currently Amended) The device of claim 25, wherein the substrate includes a planar surface and the carbon nanotube is oriented to form an angle other than 90 degrees to the planar surface.

34. (Original) The device of claim 25, wherein the protrusion includes a planar surface and the carbon nanotube is oriented substantially perpendicular to the planar surface.

35. (Currently Amended) The device of claim 25:

wherein the substrate includes a first planar surface;

wherein the end of the protrusion includes a second planar surface;

wherein the ~~protrusion~~ second planar surface forms an angle to the ~~substrate~~ first planar surface; and

wherein the carbon nanotube is oriented substantially perpendicular to the ~~protrusion~~ second planar surface.

36. (Currently Amended) The device of claim 25, wherein the carbon nanotube is oriented substantially along ~~the~~ a ~~direction~~ length of the pore.

37. (Currently Amended) The device of claim 25, wherein the end of the protrusion includes a planar surface and the ~~is~~ pore is disposed on the planar surface and oriented substantially perpendicular to the ~~protrusion~~ planar surface.

38. (Original) The device of claim 25, wherein the carbon nanotube has a diameter of less than 100 nm.

39. (Original) The device of claim 25, wherein the carbon nanotube has a diameter of less than 10 nm.

40. (Original) The device of claim 25, wherein the carbon nanotube is a single walled carbon nanotube.

41. (Original) The device of claim 25, wherein the carbon nanotube has an aspect ratio of length to diameter of 10:1.

42. (Currently Amended) The device of claim 25, further comprising a plurality of protrusions extending from the substrate, wherein a single pore is ~~dispersed~~ embedded at a distal end of each protrusion.

43. (Currently Amended) The device of claim 25, wherein a single carbon nanotube is embedded in ~~extending from~~ the pore.

44. (Original) The device of claim 25, wherein the substrate is adapted for attachment to a scanning probe microscopy tool.

45. (Original) The device of claim 25, wherein the substrate is adapted for attachment to a field emission device.

46. (Cancelled)